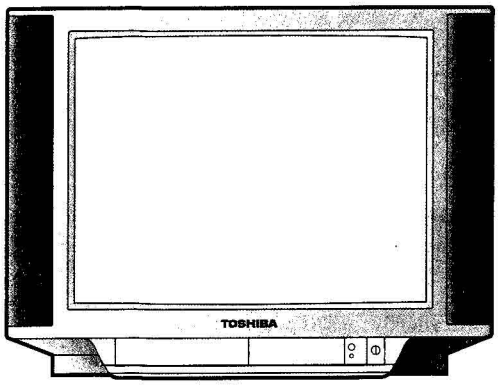
TOSHIBA

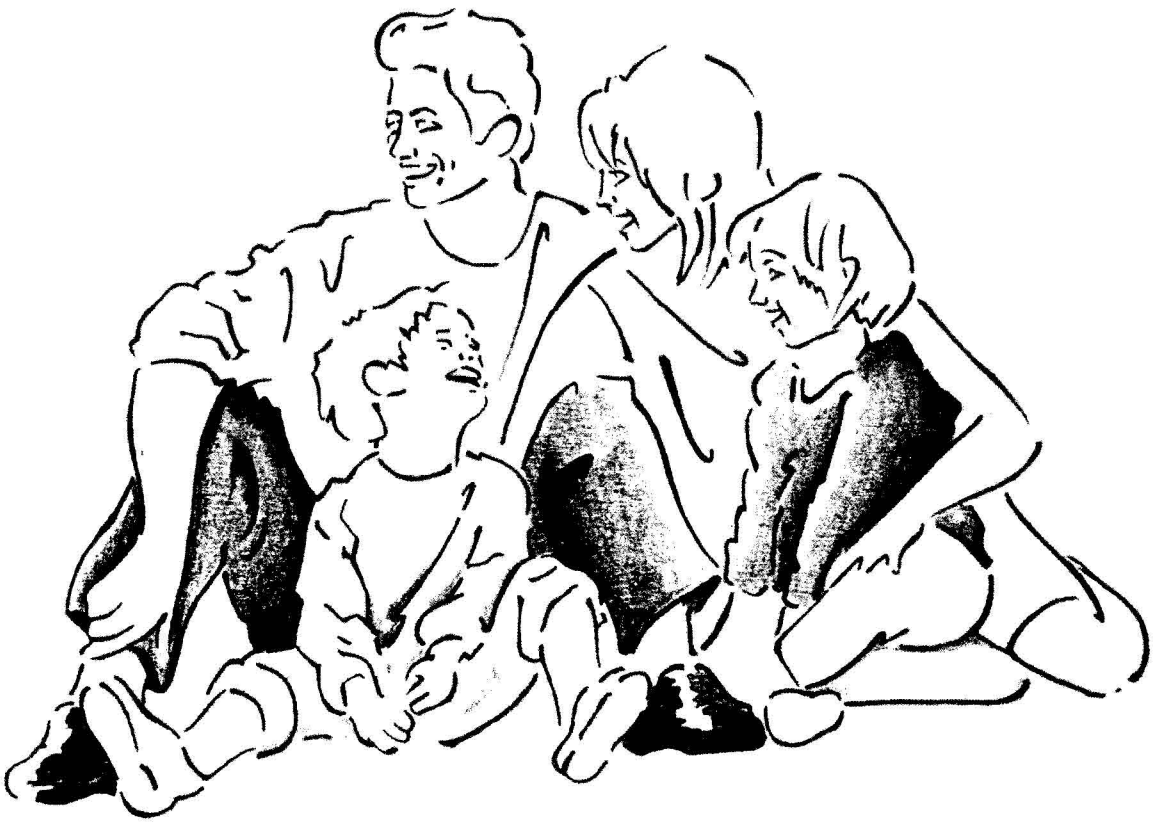


Colour Television
NICAM /MPX Stereo
with fastext
and

* DOLBY SURROUND
PRO • LOGIC

2857DF
3357DF

OWNER'S MANUAL



Introduction

Optimum reception of colour and text requires a good signal and will generally mean that a loft or outdoor aerial must be used. The exact type and siting will depend upon your particular area and your local Toshiba dealer will be best to advise.

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GETTING STARTED

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Installation:

Positioning your TV
Locate the television where direct sunlight does not impair the picture, soft and indirect lighting is recommended for comfortable viewing.

Avoid locations which are excessively warm, moist or humid to prevent damage to the cabinet and components. Leave at least 10 cm clearance around the top, sides and back of the TV to allow for adequate ventilation and sound response.

Mains Connection
This equipment will operate on any supply between 220 and 240v AC 50Hz. Never connect to a DC supply or any other power source.

Installation

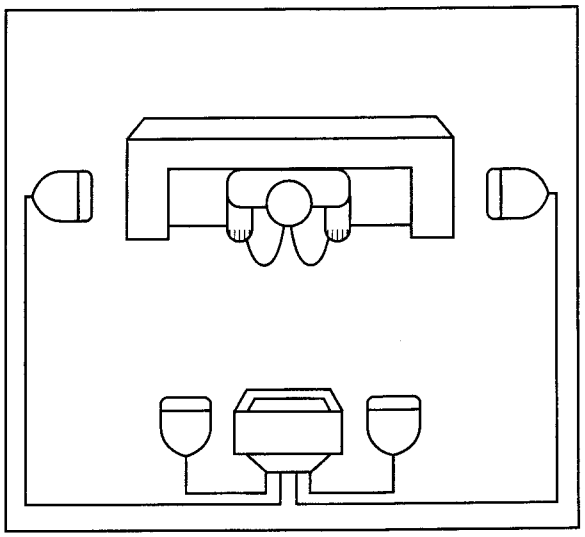
The following describes the initial set-up procedure in order to operate all of the features of your TV. Always use the Scart lead provided to connect your video recorder, if it has a Scart socket. For connecting additional equipment see pages 23/24.

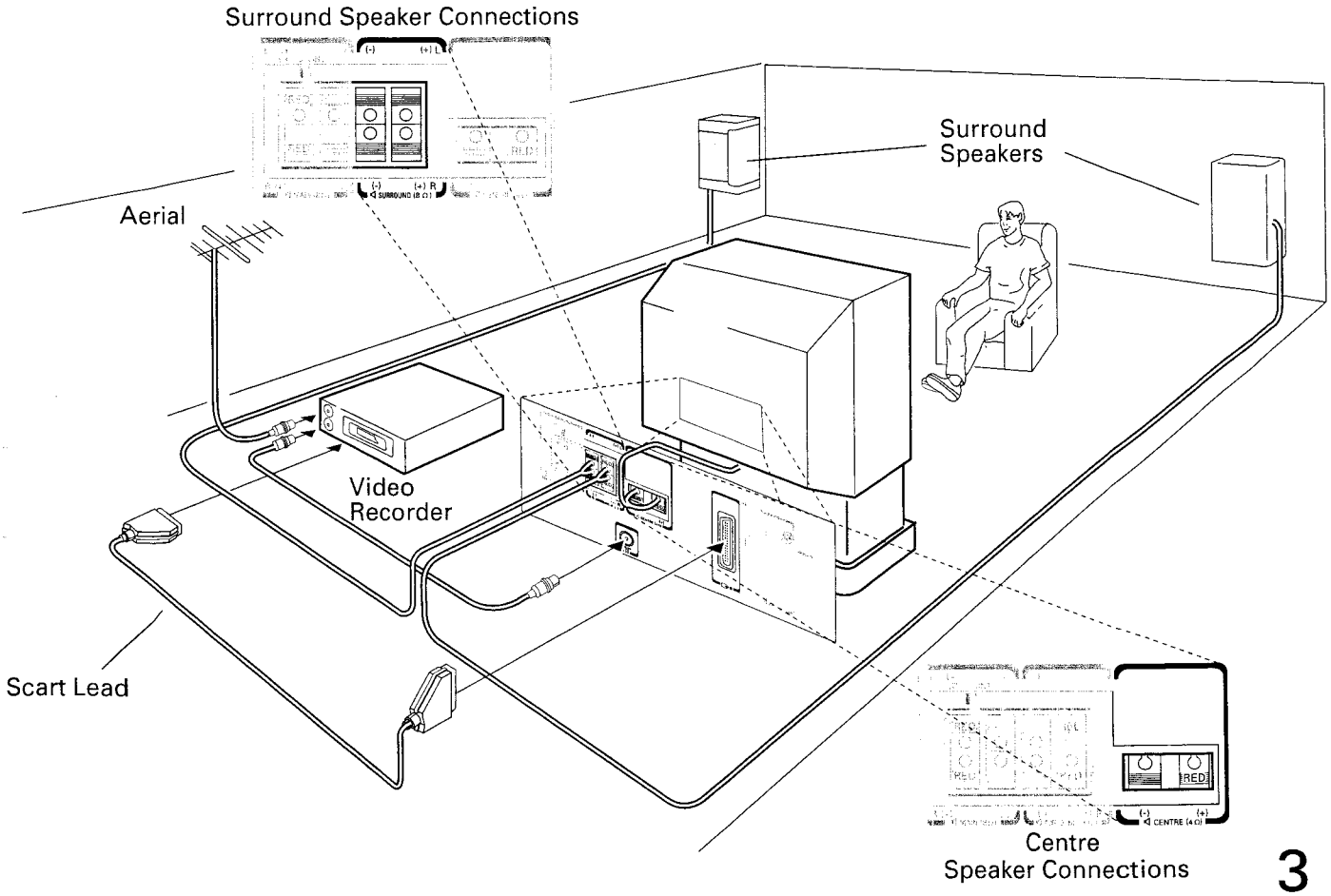
Positioning and connecting your TV:

Connecting up. Connect the Aerial plug to the socket on the rear of the television or video. Connect the mains plug to a suitable power point and switch on.

Centre and Surround speakers. These speakers are essential to get Surround effects from your TV. The centre speaker is detachable from the stand, if required, and should be placed below the TV screen. See separate fixing instruction sheet for mounting and connecting of rear speakers. The optimum mounting height being 1.5 metres from the floor, alternatively these speakers can stand on the floor.

Note: The wire with the white trace must go to the positive (RED) terminal.
Always make sure that there are no 'short circuits' on the speaker connections.

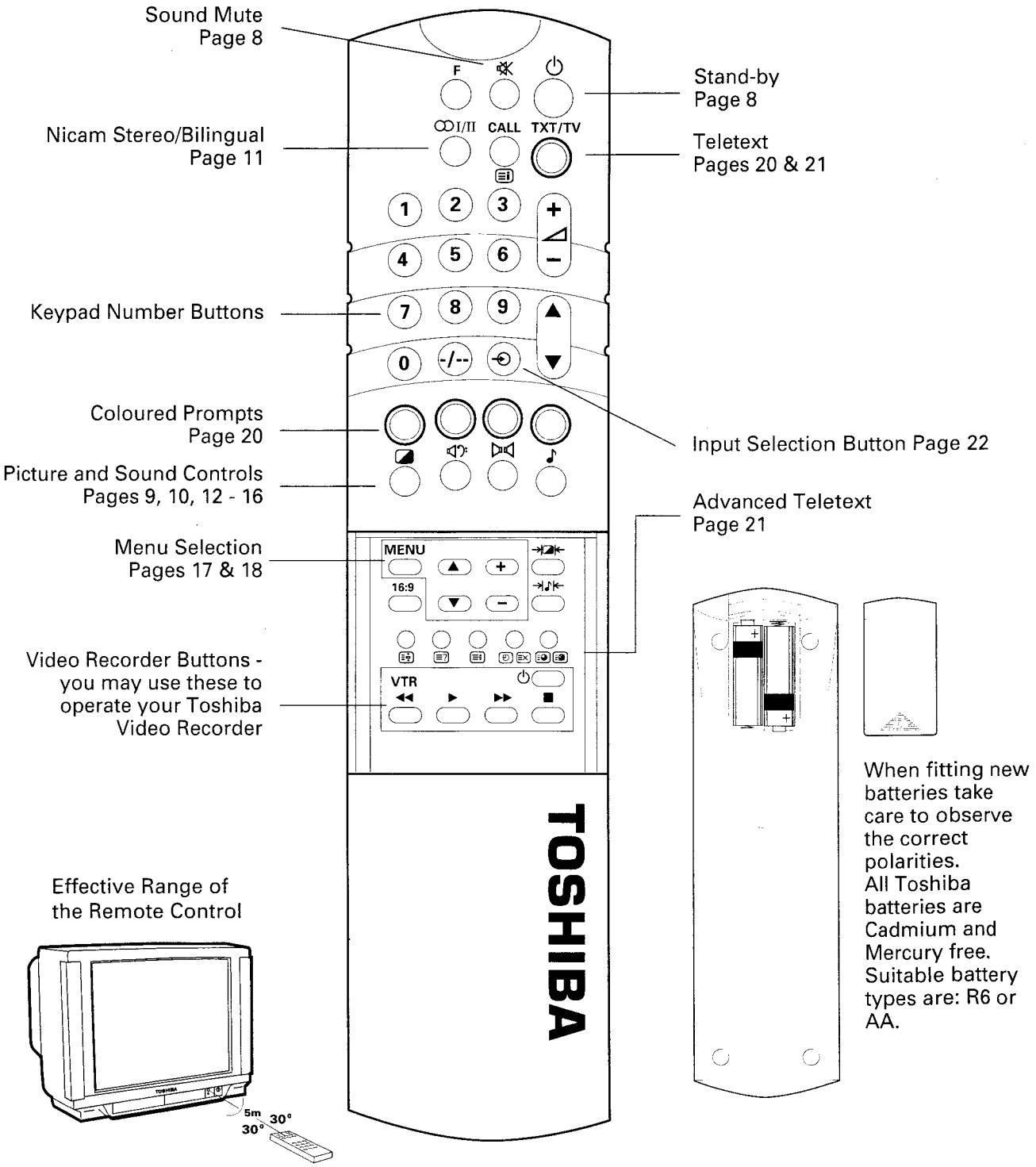




Your remote control

The illustration below is designed to show the areas of the remote control.
Individual buttons are described in the text.

Operation:



When fitting new batteries take care to observe the correct polarities.
All Toshiba batteries are Cadmium and Mercury free.
Suitable battery types are: R6 or AA.

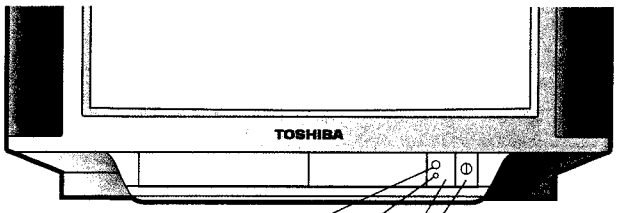
Effective Range of the Remote Control

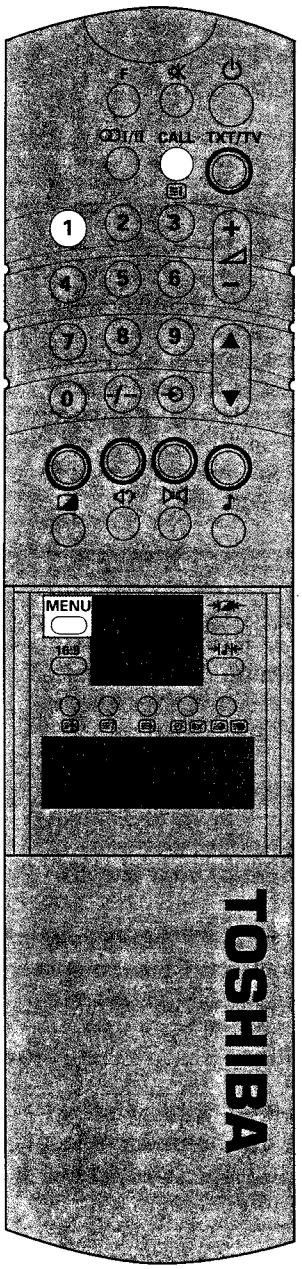
Caution:
DO NOT throw your batteries into a fire. Dispose of your batteries in a designated disposal area.
DO NOT combine a used old battery with a new one. **DO NOT** mix battery types.

Tuning-in

Due to the complicated map of TV transmitters we are unable to pre-tune all programme positions to suit your local needs. The following simple steps will take you through the process, enabling you to allocate any TV station to any programme position.

Switching on:





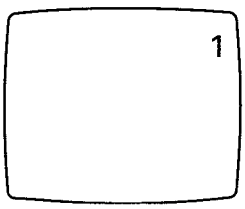
Pull to open

All the displays associated with tuning-in your TV will remain on screen for 15 seconds (approx). To bring them back simply press the associated function button
Once you have completed a step, you can cancel any display by pressing the CALL button.

1 If the Power-On light is unlit, press the on/off switch on the front of the TV to switch the set into standby mode.

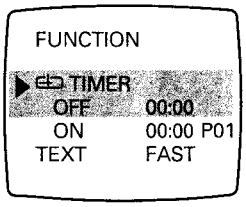
The Power-On red light will glow.

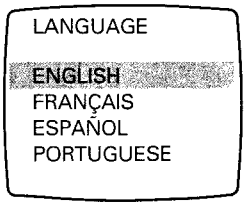
2 Press button 1 on the remote control to turn the TV on.



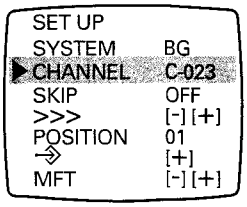
3 Pull down the lower part of the remote control just enough to reveal the additional panel of buttons.

Press the MENU button repeatedly to select between the menu displays and normal TV mode.





Note: This is the screen you need to tune your TV. →



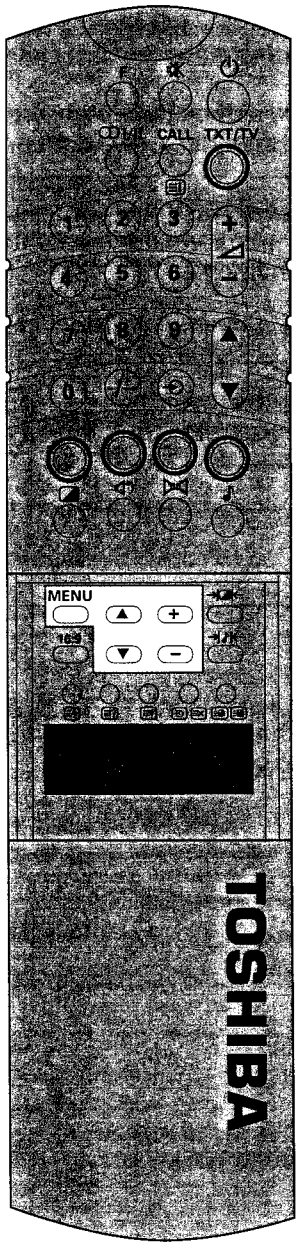
Do not worry if the display disappears, simply pressing the MENU button again recalls the display.

Note for engineers: This TV has direct channel entry if the channel numbers are known.
Select the screen in step 1 on page 6, then enter the appropriate channel number using the remote control.
To memorise follow step 4 on page 7.

Tuning-in

If the display has disappeared, simply press the MENU button once to bring it back.

Tuning in:



Example:

FR1/FR2	for France
BG	for Continental Europe
DK	for Eastern Europe
I	for England

Note: To tune your television to receive from a satellite receiver or video recorder, connected via the aerial lead, refer to page 22.

Note: The highlighted function is activated.

1 With the SET UP menu showing, press the ▼ button to select SYSTEM, press the + to select your system, ie BG, DK, I, FR1 or FR2.

FR1/FR2 for France, BG for Continental Europe, DK for Eastern Europe and I for England.

SET UP	
SYSTEM	BG
CHANNEL	C-023
SKIP	OFF
>>>	[-] [+]
POSITION	01
→	[+]
MFT	[-] [+]

2 Press the ▼ button to select >>>. Press the + button to start the automatic search. The CHANNEL number will change as the TV searches through the available frequencies. When the end of the first band is reached the set will automatically search the next band.

If the picture quality is poor, due to a weak signal, press the + button to recommence searching the band. When a station is found, it will be displayed.

When a station is found you will need to allocate a programme position number of your choice.

SET UP	
SYSTEM	BG
CHANNEL	C-023
SKIP	OFF
>>>	[-] [+]
POSITION	01
→	[+]
MFT	[-] [+]

3 Press the ▼ button to select the adjacent display. Press the + button to raise the programme position.

You now need to follow step 4 to hold your chosen programme position in the Memory Store.

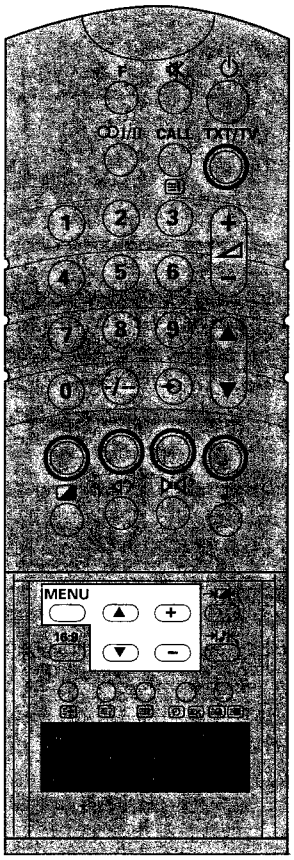
SET UP	
SYSTEM	BG
CHANNEL	C-023
SKIP	OFF
>>>	[-] [+]
POSITION	01
→	[+]
MFT	[-] [+]

Tuning in is continued overleaf

Tuning-in

If the display has disappeared, simply press the MENU button once to bring it back.

Tuning in, Manual Fine Tuning, Skip:



Channel Skip:

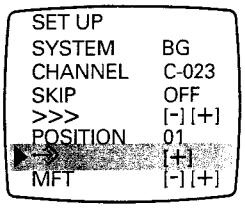
The Skip feature enables you to prevent certain programme positions from being viewed.
For example, if you are going out for the evening and you do not wish your children to watch a certain film etc., you can skip the programme position and take the remote control with you. The TV will function normally, using the controls on the front of the TV but the set will not show the skipped programme position.

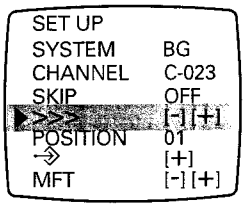
Note: A * will appear beside a skipped programme position when using the numbered buttons on the remote control.

4 Now press the ▼ button to select → (Memory Store).

Press the + button to store.

The indicator will revert to the >>> position. Repeat steps 1, 2, 3 and 4 for all remaining stations that you wish to tune in.



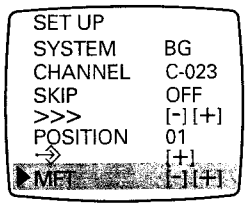


If you do not use the Memory Store the programme position will not be held in memory.

Repeat the procedure for all the remaining stations you wish to tune in.

Manual Fine Tune (Not normally required)
This will enable you to adjust the tuning manually to optimise the picture.

1 Press the MENU button repeatedly until the adjacent display appears. Press the ▲ (or ▼) buttons to select MFT.

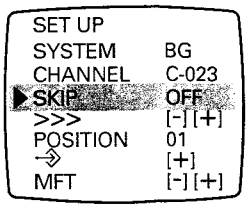


2 Press the + button to fine tune up, press the − to fine tune down.

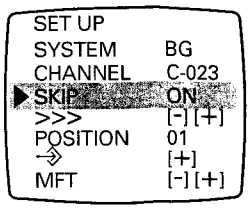
Tuning-in is now complete.

To select SKIP

1 Select the programme position to be skipped and press the MENU button repeatedly until the adjacent display appears. Press the ▲ (or ▼) button to select SKIP.



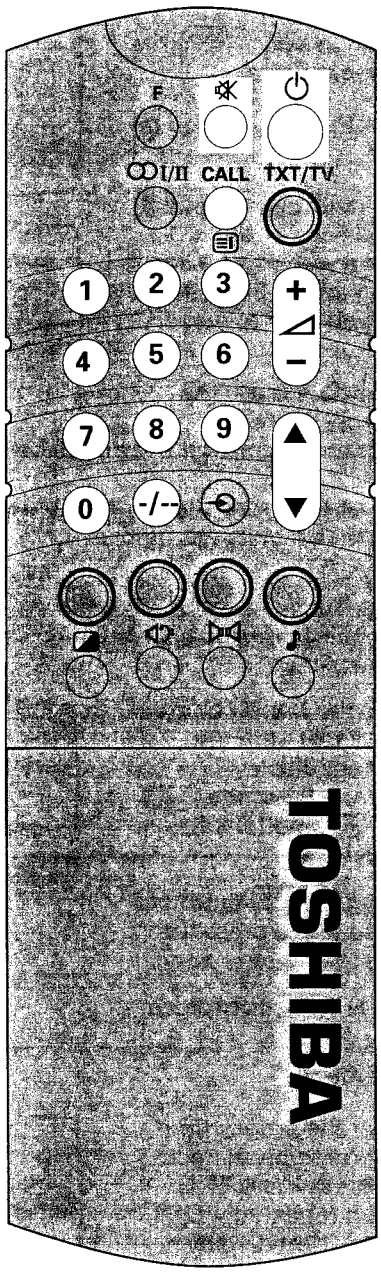
2 To turn the SKIP option on or off use the + (or −) button.



Watching TV programmes

NOTE: To identify the current programme position press the CALL button. Press again to cancel the display.

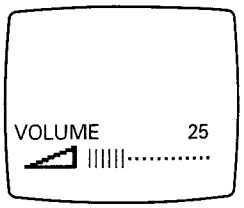
Volume settings, changing programme positions using the remote control:



Standby Button ⏻:
This allows you to put the set into standby mode when leaving the TV unattended for short periods of time, or when using the 'ON TIMER' (see page 17). To return to TV mode press the ⏻ button, or any of the numbered buttons on the remote control.

To alter the volume

1 To raise or lower the volume press the ◿+ or − buttons. The display will show the changes.



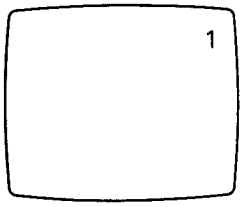
Alternatively:

2 The sound can be muted simply by pressing the 🔇 button. Press again to restore the sound, the 🔇 symbol will disappear.

To change programme position

1 To select a programme position press one of the numbered buttons.

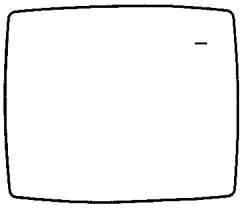
The programme position will be displayed in the top right corner of the screen.



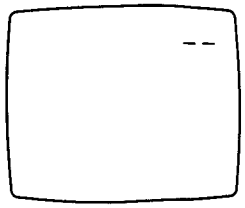
Alternatively:

2 You can change the programme position by using the ▲ button to increase by one or the ▼ to reduce by one.

1 For programme positions below 10, press the -/-- button to select –. Enter the desired programme position number using the numbered buttons on the remote control.



2 For programme positions above 9, press the -/-- button to select – –. Enter the desired 2 digit programme position number (10-99).



Selectable picture

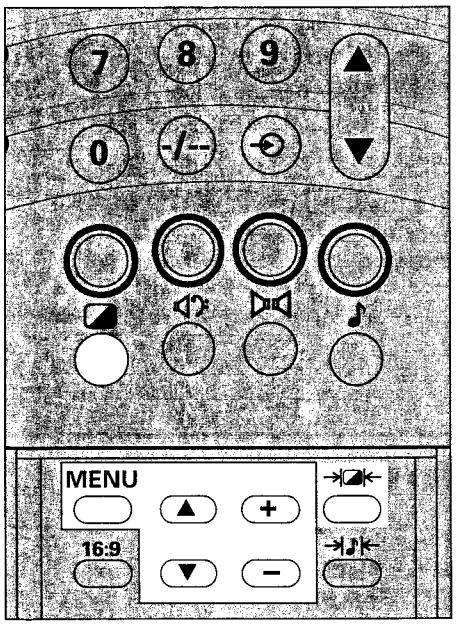
Selectable picture allows you to change the contrast at the touch of a button.

Picture adjustment using the remote control:

There are four picture styles to choose from designed to suit your particular taste.

The digital effect increases from picture style →◪←3 up to style →◪←1. ie should you require high levels of contrast but a low digital effect you can choose picture style →◪←3 and then increase contrast and brightness.

The memory will contain your own selection of Contrast, Brightness, Colour (and Tint) as set out below.

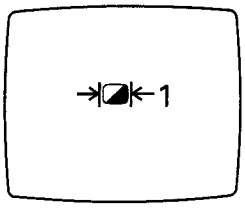


The Noise Reduction (NR) feature can improve the picture quality of a weaker signal.

The Blue Background control (B/B) instructs the television set to mute the sound and switch the screen to blue when no signal is being received and will switch to standby after approximately 20 minutes.

To select the alternative picture styles

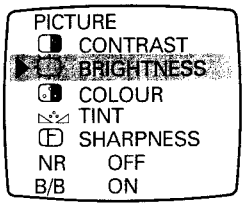
1 Press the →◪← button (in the concealed portion of the remote control) repeatedly to view the different picture styles available.



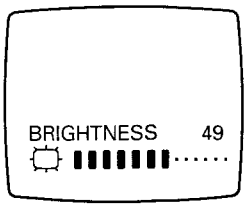
Contrast, Brightness, Colour and Tint Adjustment

1 Press the ◪ button repeatedly to select the PICTURE menu.

Press the ▲ button repeatedly to select between the Contrast ◨, Brightness ☐, Colour ◨ and Sharpness ⊡. The tint may only be adjusted on a tape which has been recorded & played back on an NTSC video recorder.

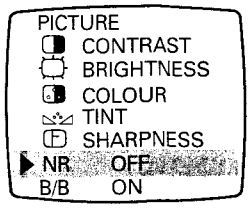


2 Use the + or − buttons to adjust the settings.



To select Noise Reduction (NR) and Blue Back (B/B)

1 Press the ◪ button to bring up the adjacent display. Press the ▲ (or ▼) buttons to select NR or B/B.



2 To turn on (or off) press the + (or −) buttons.

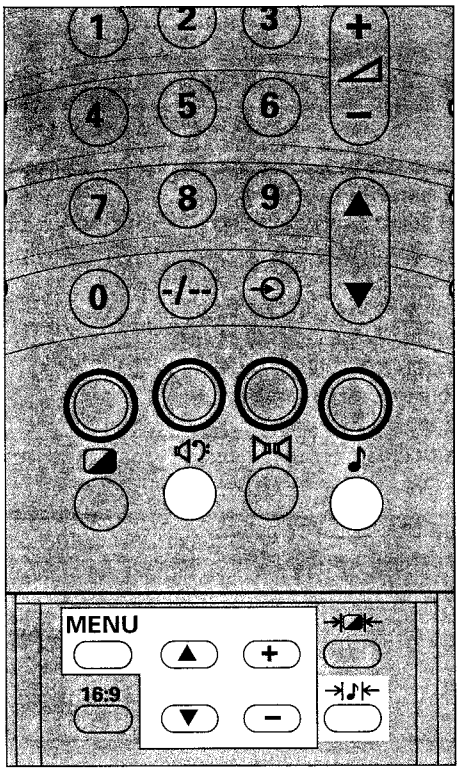
Selectable tone

Selectable tone allows you to change the treble and bass at the touch of a button.

Sound adjustment using the remote control, Super Woofer:

There are four sound styles to choose from designed to suit your particular taste.

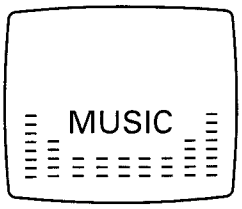
The memory will contain your own selection of Bass, Treble and Balance as set out below.



A Super woofer system which has been built into your new Toshiba television which will add a greater depth to the sound.

Selecting the alternative tone styles

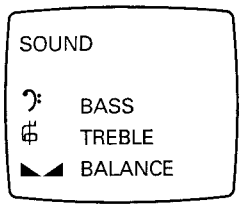
1 Press the →♪← button repeatedly to choose the tone style that is right for the mood of the programme being viewed.



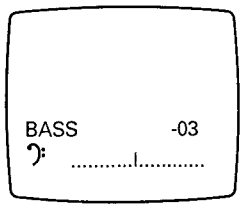
Note: The frequency bars are NOT adjustable.

Bass, Treble and Left and Right Balance Adjustments

1 Press the ♪ button repeatedly to select between Bass, Treble and left and right balance.

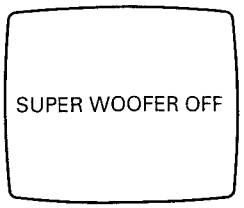


2 Use the + or − buttons to adjust the settings.

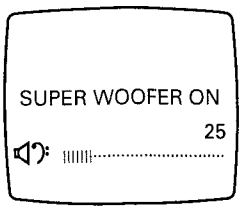


To select Super woofer

1 Press the button to select SUPER WOOFER 'ON'. Press again to turn it 'OFF'.



2 Press the + (or −) button to adjust the 'volume' level .



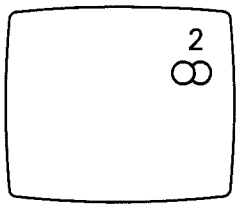
Stereo or bilingual broadcasts

This TV set is designed to receive and automatically select any NICAM/MPX transmissions. The following describes the operation and displays which accompany stereo broadcasts. **NICAM/MPX broadcasts can be in either Stereo or Mono.**

Stereo mode:

If NICAM/MPX broadcasts are transmitted the ⊙⊙ symbol will appear in the upper right corner of the screen, after a few seconds the display will disappear. The display will reappear each time you change programme positions.

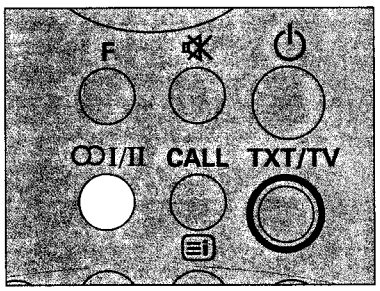
Note: NICAM/MPX broadcasts can be in stereo or mono.



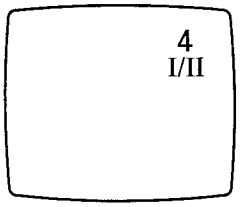
Some common problems with reception:

1 Your local transmitter has not been upgraded for NICAM/MPX e.g. No stereo indicator appears.
2 The original soundtrack of the film etc. was recorded in mono. Note: NICAM/MPX indicator appears but sound is in mono.

Note: For NICAM/MPX information please refer to the TV programme magazine or text pages for your area.



Bilingual transmissions are rare. If bilingual broadcasts are transmitted the I/II symbol will be displayed.

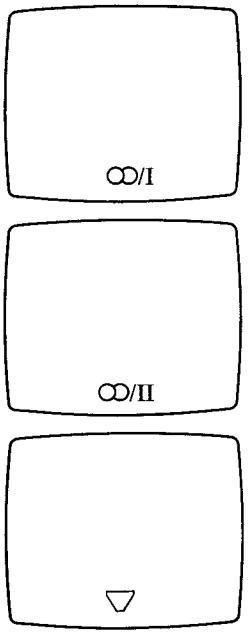


	MPX		NICAM	
Symbol	Stereo	Bilingual	Stereo	Bilingual
⊙⊙/I	Stereo	Language 1	Stereo	Language 1
⊙⊙/II	Stereo	Language 2	Stereo	Language 2
▽	Mono	Language 1	AM/FM	AM/FM

To select stereo/mono mode

1 Press the ⊙⊙I/II button repeatedly, the ⊙⊙/I, ⊙⊙/II and ▽ symbols appear alternately in the lower part of the screen.

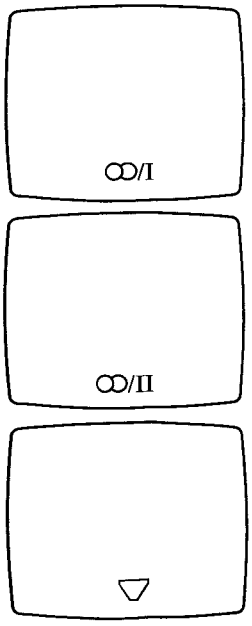
2 Select ⊙⊙/I or ⊙⊙/II for stereo sound, or ▽ for mono.



To select bilingual mode (when transmitted)

1 Press the ⊙⊙I/II button repeatedly, the ⊙⊙/I, ⊙⊙/II and ▽ symbols appear alternately in the lower part of the screen.

2 Select ⊙⊙/I for language 1, ⊙⊙/II for language 2 or ▽ for normal mono. (This has the same effect as for language 1).



Surround effect selection

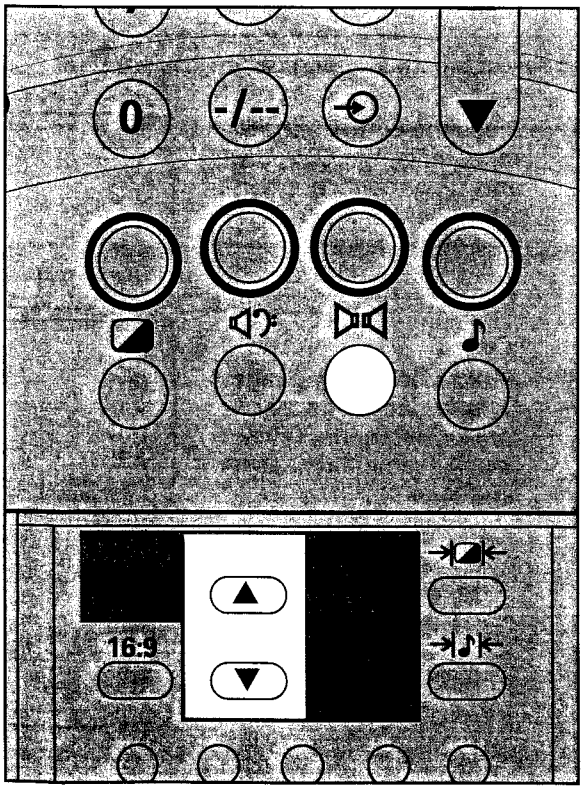
With Toshiba's Dolby Pro Logic Surround and 'Digital Surround processor' your television can simulate a wide range of various surroundings: From Dolby Pro Logic Surround (Normal and Phantom) and Dolby 3 Stereo to Hall, Theatre, Disco, Stadium and Pseudo surround.

Toshiba's Dolby Pro Logic Surround TV's use a combination of five speakers (front-left, front-right, front-centre and two rear speakers) to reproduce in the living room the surround effects now available on most videos and an increasing number of TV broadcasts.

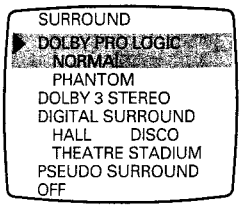
With Toshiba's Digital surround processor, various effects are available to simulate a wide range of listening environments using the surround speakers. Whatever you are watching, it's easy to choose the sound mode that will make you feel as if you are right there in the concert hall, movie theatre, disco or stadium and even mono soundtracks can be enhanced when in pseudo mode.

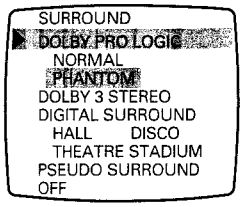
The diagram below should help you decide which is the best setting for the programme that you are watching.

The choice is yours!

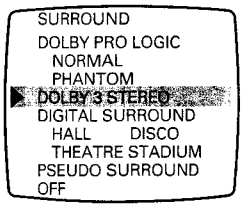


1 Press the ⋈ button to select the SURROUND display. Press the ▾ button to select between the modes available. DOLBY PRO LOGIC - NORMAL or PHANTOM

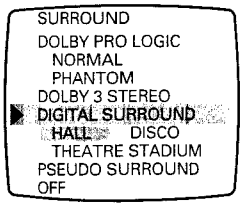


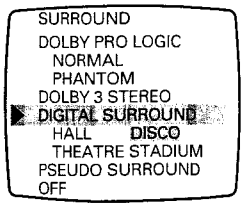


DOLBY 3 STEREO



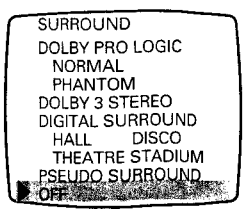
DIGITAL SURROUND HALL **OR** THEATRE **OR** DISCO **OR** STADIUM





PSEUDO SURROUND

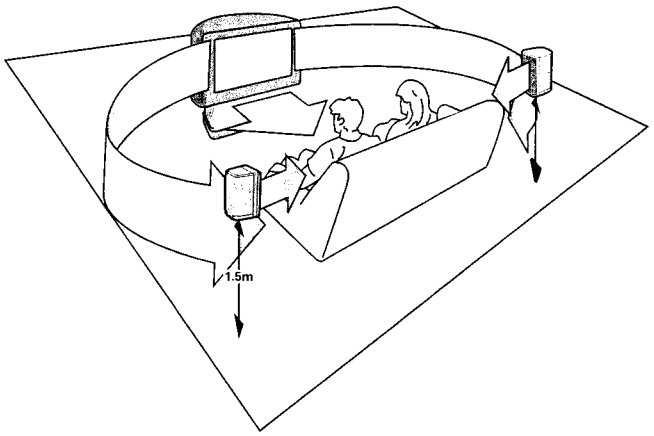
OFF (Surround Sound off, normal stereo).



Dolby Pro Logic Surround

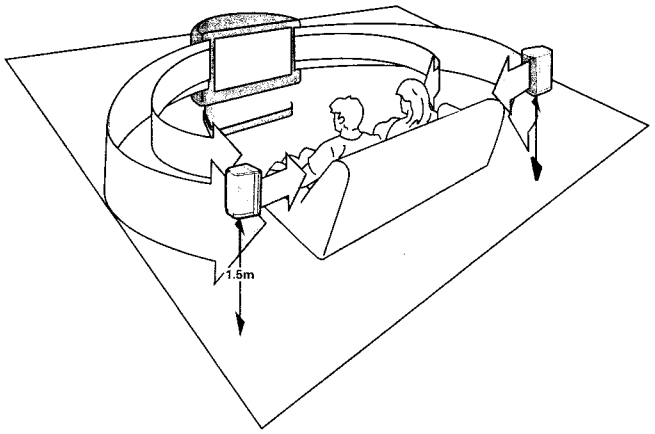
The illustrations below show the sound effects available from the three modes, and the speakers used.

Dolby Pro Logic: Normal



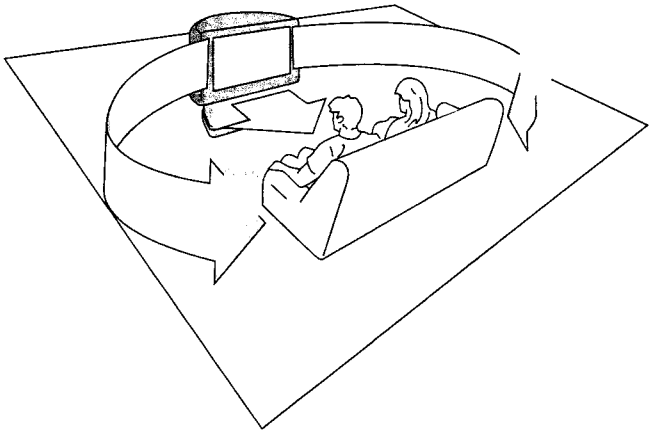
5 Speakers Driven:
- Front Left,
- Centre,
- Front Right,
- Rear Left and Right,
- Super Woofer Feature.

Dolby Pro Logic: Phantom



4 Speakers Driven:
- Front Left,
- Front Right,
- Rear Left and Right
- Super Woofer Feature.

Dolby 3 Stereo:



3 Speakers Driven:
- Front Left,
- Centre,
- Front Right,
- Super Woofer Feature.

Dolby Pro Logic Surround

The realistic sound of the cinema is now available from your Toshiba television. This amazing 3 dimensional sound effect is available from any video and laser disks recorded in Dolby Surround and from an increasing number of TV broadcasts; **bear in mind that you need a stereo video recorder, connected via the scart lead provided, to obtain the effect from a video tape (which is recorded in Dolby Surround).**

Dolby Pro Logic Surround:

Part of the excitement of a great film in the cinema often comes from the soundtrack. Hearing thunder rumble round the auditorium, or being surrounded by the atmospheric sounds of the jungle can make all the difference to the extent that we are drawn into a film.

These effects are usually created in the cinema by Dolby Stereo, a unique sound recording system which adds depth and sensitivity to a stereo sound track by projecting a surround track behind and around the audience.

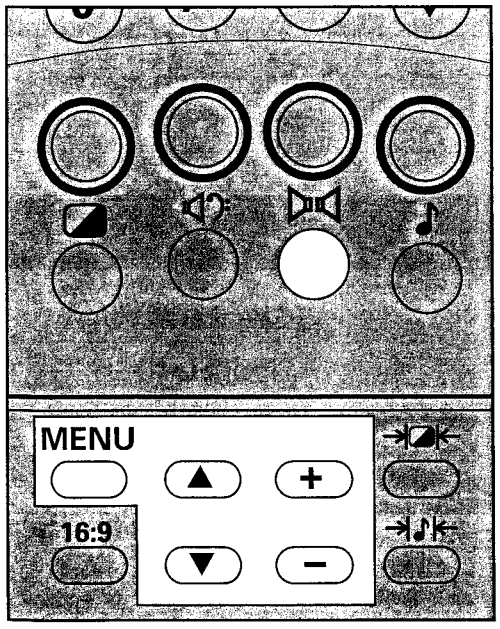
This surround track has now been used on almost 5,000 films, most of which are now available on video. It is also broadcast as part of the signal when TV companies show these feature films in Nicam stereo. But until now, ordinary TV's were unable to 'unlock' this track and play it back around and behind the viewer.

Now Toshiba brings Dolby Pro Logic Surround (the domestic version of Dolby Stereo) into your living room - letting you, the viewer, enjoy films at home just the way the director intended them to sound in the cinema.

Dolby Pro Logic: Normal uses a combination of 5 speakers - front-left, centre, front-right and two rear speakers to reproduce in the living room the surround effects now available on most videos and an increasing number of TV broadcasts.‡

Dolby Pro Logic: Phantom uses a combination of 4 speakers - front-left, front-right and two rear speakers. If you cannot use the stand, this mode will enable you to enjoy the effects of Dolby Pro Logic Surround without using the centre speaker.

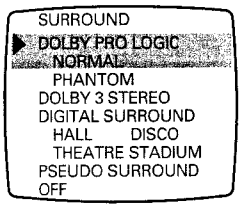
Dolby 3 Stereo uses a combination of 3 speakers - front-left, centre and front-right. If you choose not to use the rear speakers, this mode will produce a strong, wide stereo surround effect.‡



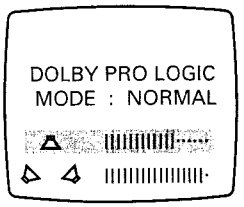
‡ The stand's detachable centre speaker can be used for Dolby Pro Logic Normal and Dolby 3 Stereo.

To select Dolby Pro Logic Surround

1 Press the button to select the SURROUND display. Press the ▲ or ▼ button to select between DOLBY PRO LOGIC, NORMAL and PHANTOM. Press the button again to bring up the levels display.



2 To set the levels use the test routine described on page 15.



To select Dolby 3 Stereo

1 Press the button to select the SURROUND display. Press the ▲ or ▼ button to select DOLBY 3 STEREO. Press the button to view the level set

2 To adjust the level use the test routine described on page 15.

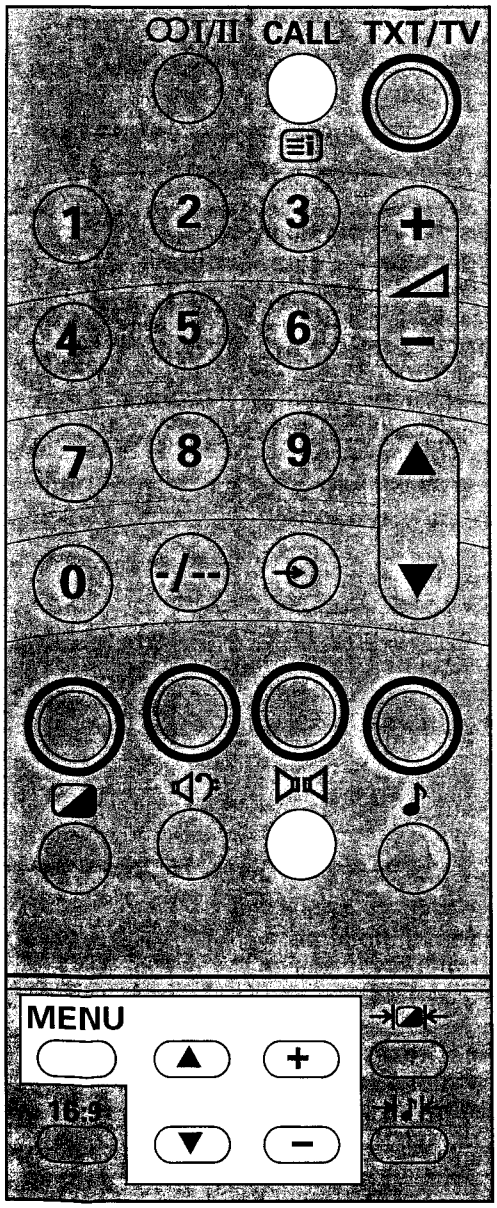
Press the CALL button to cancel.

Dolby Surround level settings

When running the following Test sequences ensure that you are seated where you would normally watch the TV. These Test sequences are designed to let you balance all the speakers to the same volume level. The method of adjustment described below is the same for all the Dolby Surround effects (Dolby Pro Logic Surround and Dolby 3 Stereo). The viewing position is important to gain the maximum effect from this TV. **Note:** To adjust the front left and right balance see page 10. Once the levels have been set they will need little or no adjustment.

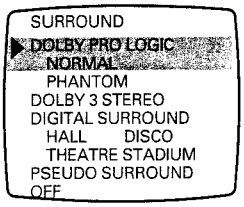
Pro Logic and Dolby 3 settings:

In order to get the best sound response from your new Toshiba TV we strongly recommend that adjustments should be made only whilst running the TEST menu (all the speaker levels are fully adjustable). The TEST will play a 'white noise' through each of the speakers in turn. The display will show you which speaker is in play, adjustment to the speaker levels may be made whilst it is highlighted on the screen.

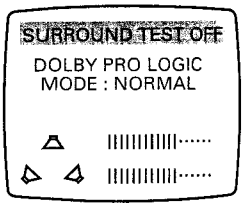


To select Dolby TEST mode: Pro Logic Normal/Phantom and Dolby 3 Stereo

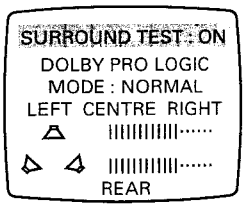
1 Press the button to bring up the adjacent display. Press the ▲ or ▼ to select the mode required.



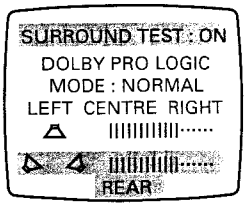
2 Press the MENU button repeatedly to select the SURROUND TEST display



3 Press the + button in the concealed portion of the remote control to turn the TEST on.



4 Adjust the Centre and Rear levels to match the Front Left and Right by pressing the + or − buttons (in the concealed portion of the remote control) whilst the relevant display is highlighted.

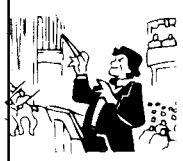
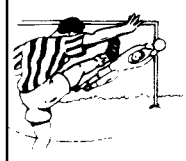


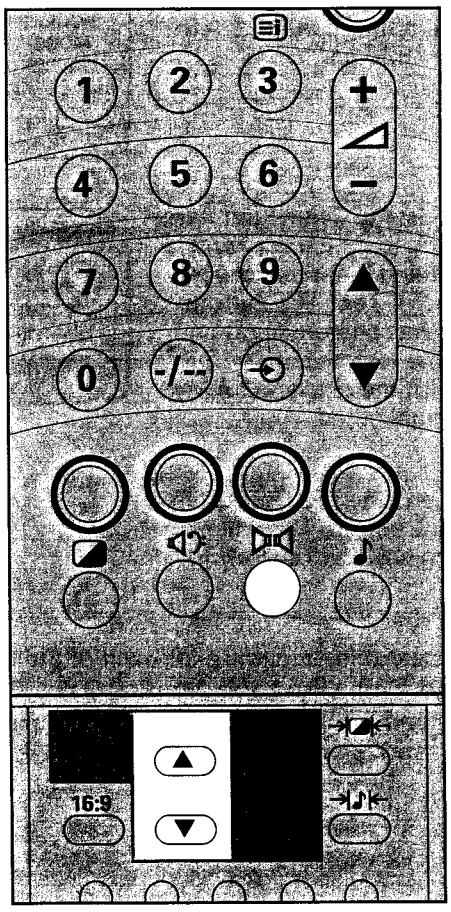
5 To end the TEST press the CALL button. This will then turn the TEST off.

Note: Repeat this procedure for each of the Dolby modes. i.e. Dolby Pro Logic Normal, Dolby Pro Logic Phantom and Dolby 3 Stereo. This test sequence does not work on any of the digital surround modes.

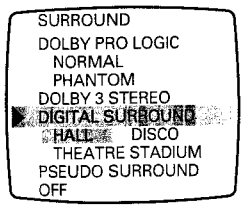
Digital surround processor

Note: Hall, Theatre, Disco, and Stadium effects are only available on a stereo signal. Pseudo surround works on both mono and stereo signals. All of the Digital surround modes are adjustable, the method of adjustment described below is the same for all the Digital Surround effects.

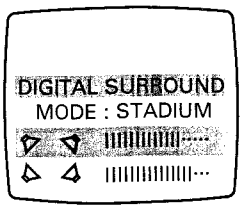
	HALL	THEATRE	DISCO	STADIUM	PSEUDO
SETTING					
EFFECT	A concert hall with a seating capacity of about 1500.	A movie theatre filled with a rich, warm sound.	A room so full of music that it seems to engulf the listener.	A large football or baseball stadium packed for a live game.	A synthetic surround effect for movies and TV programmes.
APPROPRIATE SOURCES	Classical, rock, pop or folk music. Ideal for TV programmes or music video tapes.	TV programmes or movies with stereo sound.	Disco, dance or jazz music.	Any live sports occasion.	Movies and TV programmes in mono.



1 Press the ⋈ button to bring up the SURROUND display. Press the ▲ or ▼ button repeatedly to select 'DIGITAL SURROUND', and press the ▲ or ▼ button repeatedly to select the mode which best suits the type of broadcast.

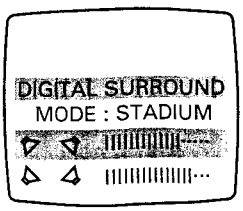


2 Press the ⋈ button again to bring up the adjacent display. Press the ▲ or ▼ button to select between the front and rear speakers.



3 Press the + (or −) buttons in the concealed portion of the remote control to increase (or decrease) the levels.

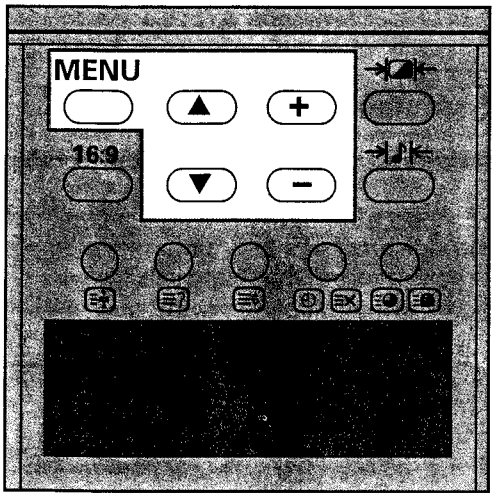
Note: The display must be on the screen to make these adjustments. Any changes are automatically stored in memory.



MENUs

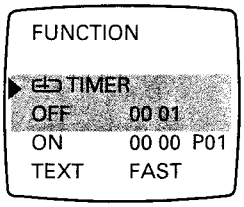
Timer:

The Timer is especially useful if you want the television to turn itself on or off after a selected period of time. For example: If you want the set to turn itself on in 30 minutes time and watch programme 3 simply follow the procedure in steps 1 and 2. Activation of the Timer is indicated by a green warning light on the front of the TV (see page 5).



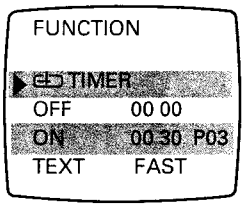
To select the Timer

1 Press the MENU button to bring up the adjacent display. To select between 'ON' or 'OFF' press the ▲ (or ▼) buttons.

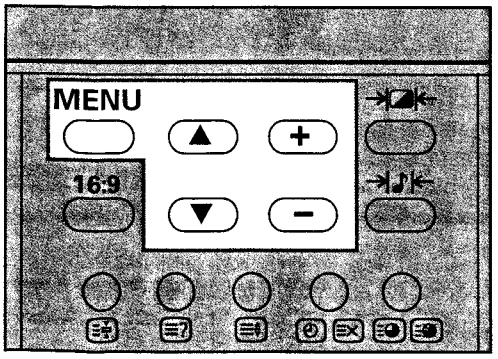


2 Use the numbered buttons to set the ON or OFF delay time, e.g. On in 30 minutes.

Note: When setting the ON time you will be required to enter the selected programme position. The set must then be put into standby mode (see page 8).
The maximum time delay is 12 hrs 59 mins.

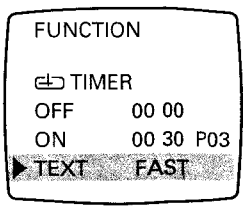


Text:



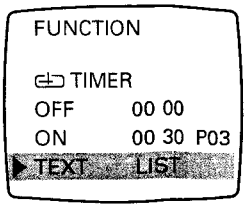
To select TEXT

1 Press the MENU button repeatedly until the adjacent display appears.



2 To change between FAST and LIST use the + button.

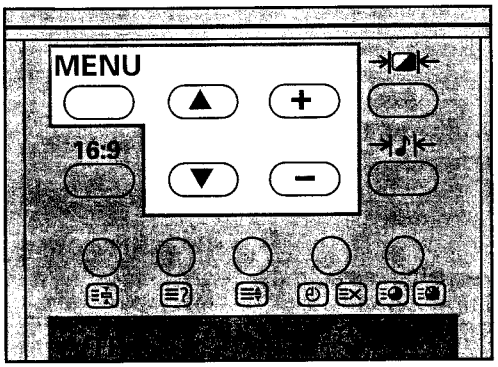
The use of these features is described on page 20.



MENU's

External input/output:

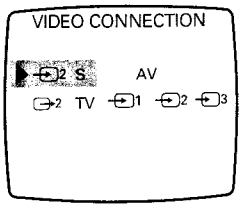
If you turn the TV off when monitoring any of the external inputs, the set will return to this selection when switched on again.



To select input signal for Scart 2

⇥2 enables the selection of the type of video recorder to be connected to the number 2 scart socket. The [S] sets up the television for S-Video, the [AV] sets the television for standard video recorders.

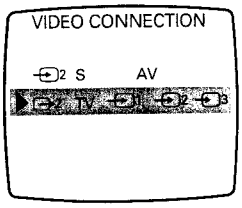
1 Press the MENU button repeatedly to bring up the adjacent display. Press the + button to select the required input signal for ⇥2.



To select output signal for Scart 2

This feature enables you to select the source to output to Scart 2
e.g. If you connect a stereo satellite receiver to Scart 1 and a stereo video recorder to Scart 2, and select ⇥1, you will be able to record the stereo satellite transmission in stereo.

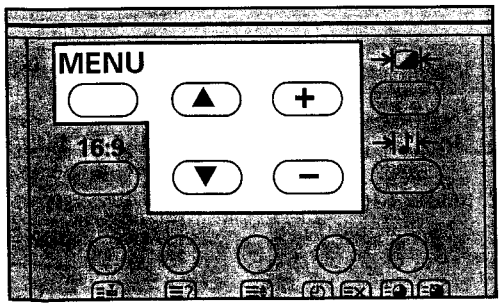
1 Press ▼ to select ⇥2, then press the + button to select between TV, ⇥1, ⇥2 or ⇥3.



Picture Centring:

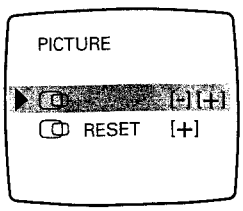
Picture centring control

This is factory set and should need little or no adjustment, however, if when viewing text or using a computer the display is to one side, adjustment to a central position can be made.

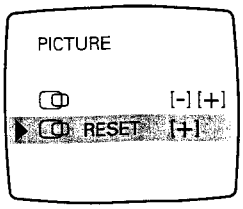


Picture centring control

1 Press the MENU button repeatedly to bring up the adjacent display. Press the ▲ button to select ⧉. Press the + button to adjust.



2 Press the ▲ button to select ⧉ RESET. Press the + button to reset to the factory setting.



ADDITIONAL FEATURES

16:9, Time display

This feature has been added for programmes which are transmitted in the wide screen format.

16:9, T ime display:

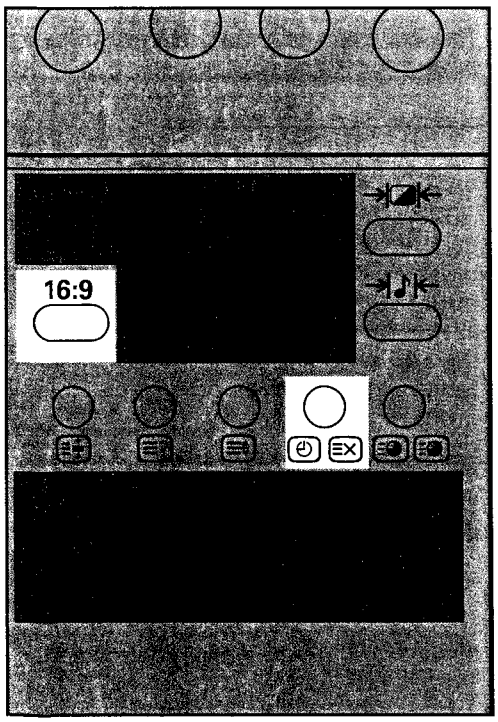
Your new Toshiba TV is capable of showing TV broadcasts in 2 formats, Normal (4:3) and Wide Screen (16:9).

Most feature films are shot in wide screen (16:9) format, which is then compressed at the studio. With the growth of satellite broadcasts, more and more films are broadcast in Wide Screen format.

If you view a Wide Screen broadcast in Normal (4:3) mode the aspect ratio (height compared to width) will be incorrect.

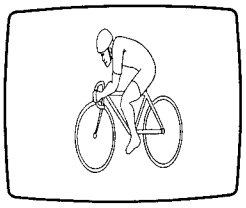
The aspect ratio of the transmission can be corrected by a feature known as picture compression. When viewing a transmission in this mode the images on the screen are restored to their normal proportions. Black bars will appear at the top and bottom of the screen.

NOTE: There could be interference lines outside the viewing area, this is normal.

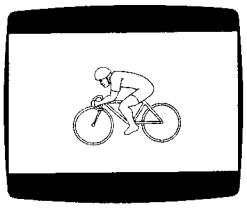


To alter aspect ratio

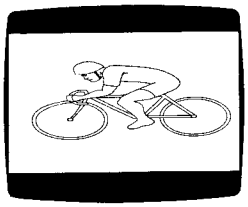
1 Press the 16:9 button in the concealed portion of the remote control to view wide format broadcasts.



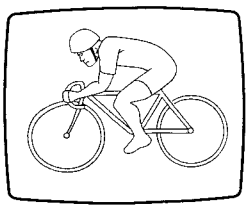
2 By pressing the 16:9 button the aspect ratio is altered and the images are restored to their normal proportions.



Viewing a normal transmission whilst in 16:9 format will result in the images being reduced as shown in the adjacent display.

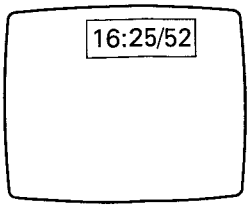


To revert to normal 4:3 format, simply press the 16:9 button again.



To select the Time Display

1 If you press the ⏲ EXT button whilst watching a normal TV broadcast, you will see a very accurate time display appear in the top right corner of the screen. ie 6.25 and 52 seconds p.m.



Text

Your new Toshiba TV is capable of displaying Text in a number of ways: FASTEXT, LIST and NORMAL TEXT. The text systems available will depend on which system(s) are broadcast by your television broadcast station. Your Toshiba dealer will be able to advise you.

Using Text:

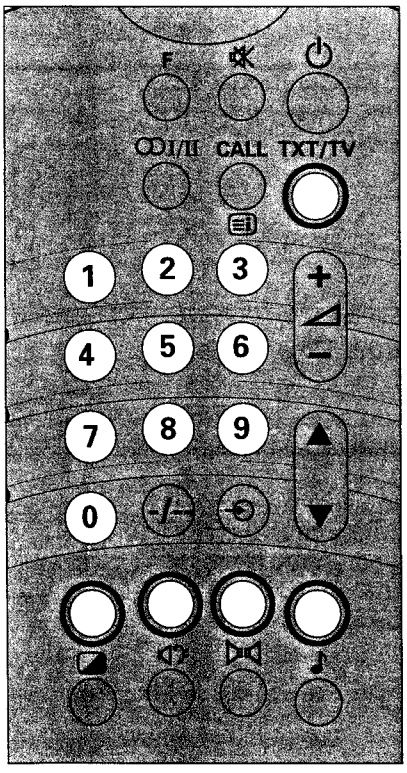
When you first select text you will see an index page which briefly outlines the main subject areas and their relevant page numbers. You can access any text page by entering a 3 digit page number using the numbered buttons on the remote control.

To advance to the next page of text, press the ▲ button, to go back to the previous page press the ▼ button.

If a FASTEXT signal is not broadcast, and you have selected FAST from the menu described on page 17 your TV will automatically display Normal Text, i.e. you can select any page using the method described above.

FASTEXT is a method of viewing text pages by related subjects. These subject areas are grouped by the broadcast studio and are selected by pressing one of the associated coloured prompt buttons on the remote control.

LIST mode enables you to select an INITIAL page and four linked text pages on any programme position 0-9.



Using FASTEXT

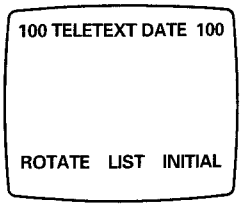
Press the **TXT/TV** button to select text.

To access any given subject simply press the relevant coloured button on the remote control.

Using LIST Mode

1 Press the **TXT/TV** button to select text.

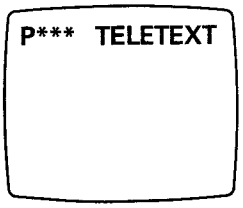
2 To programme the set to hold 4 pages in memory. (Programme positions 0-9). Select the LIST function by pressing the GREEN button.

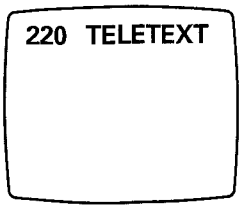


3 Enter the first page number then press the GREEN button. The page number in the lower right corner of the screen will appear in purple. (If the number reverts to white simply press the GREEN button again.) Repeat step 3 for each of the desired 4 pages.

4 To view the selected pages press the RED button for ROTATE.

5 To pre-programme an INITIAL page. Select the INITIAL function by pressing the YELLOW button. P*** will appear in the top left corner of the screen. Enter the required 3 digit page number. As you key in the desired INITIAL page, for example page 220, the numbers will replace the P***.



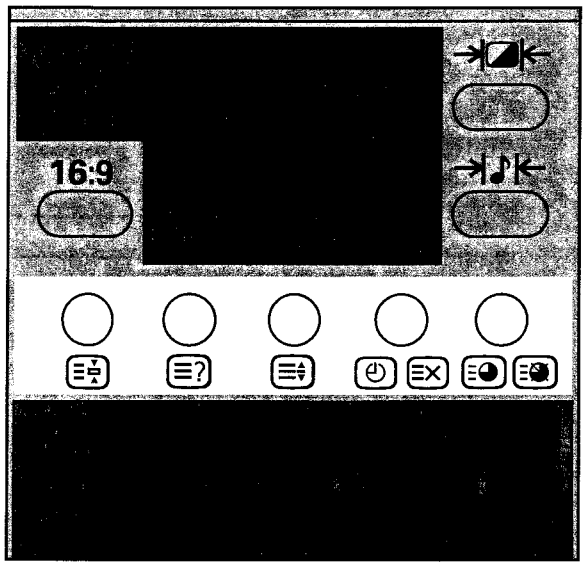


Note: It will not be possible to change programme position or use any of the other functions whilst in Text mode, you will have to cancel the text first by pressing the **TXT/TV** button.

The text buttons on the remote control

Below is a introduction to the text buttons, in the concealed portion on your remote control and their functions. Please Note: It is not possible to change programme positions whilst in text mode. Please note: The Timed Page button (⏲) has no function on this set as this service is not currently available.

Text:

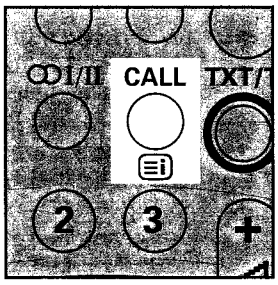


1 TXT/TV To display a page of text:

Press the **TXT/TV** button to display the initial page. Press again to superimpose the text over a normal broadcast picture. Press again to return to normal TV mode.

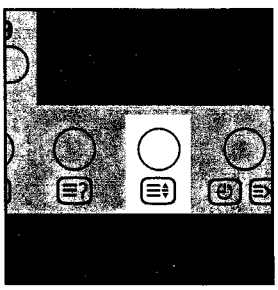
2 To display an index page:

Press the ☰ button to call up the index page for the subject area you are viewing. If you are viewing a section index, by pressing the ☰ button again you will see the general index.



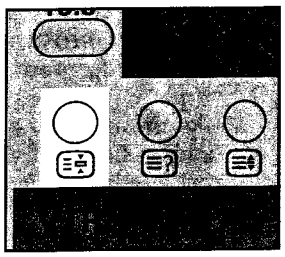
3 To enlarge the text display size:

Press the ☰ button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.



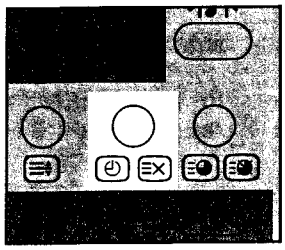
4 To hold a wanted page:

At times it is convenient to hold a page of text. Press the ☰ button and the word STOP will appear in the top left of the screen. Press again to release.



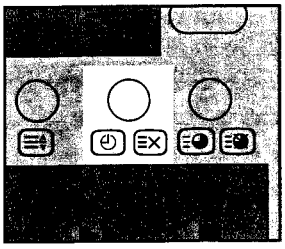
5 ⏲ ✉ To select a page whilst viewing a normal picture:

If, whilst in text mode, the ⏲ ✉ button is pressed, a normal picture will be displayed. A page selection can be entered and the TV will indicate its presence by displaying a box with the selected page number. Press the **TXT/TV** button to view the page.



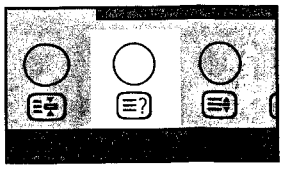
To display news flashes:

To view news flashes as they are broadcast, select the news flash page for the particular text service (see the index page of text service). Press the ⏲ ✉ button. The news flashes will be displayed as and when they are broadcast. Press the ⏲ ✉ button to cancel the display. Note: It will not be possible to change programme position whilst in this mode, you will have to press the **TXT/TV** button to cancel the text first.



6 ? To reveal concealed text:

Some pages cover topics such as quizzes and jokes. To discover the solutions press the ? button.



Connections

Connections:

These sets have two 21 pin Scart sockets which enable you to connect a wide range of audio and video equipment (see page 24).

If your auxiliary equipment does not have a Scart socket. Connect the video, satellite receiver etc. to the TV via the aerial socket.

To tune your TV to a video recorder/satellite receiver:
Press the 'Power On' button on the video recorder/satellite receiver and switch the test signal on then tune as normal.

Press the MENU button on the remote control repeatedly until the SET UP menu is displayed. Select the >>> symbol using the ▼, press the + button to commence the search.

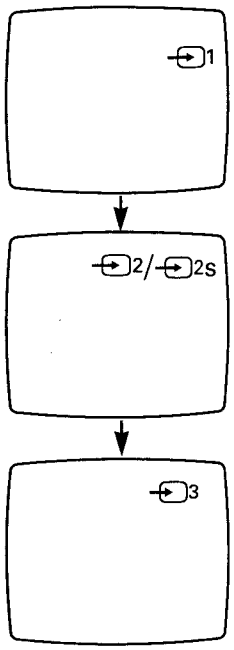
When the test signal is found, assign your chosen programme position(s). (Full details on tuning-in are to be found on pages 6 and 7 of this handbook.)

If your video recorder is made by Toshiba, you will be able to use the VTR buttons in the concealed portion of the remote control as follows:

◀◀ for REWIND
▶▶ for FAST FORWARD
▶ for PLAY
■ for STOP
⏻ for STANDBY

Automatic Input Selection

1 If any auxiliary equipment is connected to this TV via the scart connector, you may discover that the TV automatically switches over to monitor the equipment. This depends upon the type of auxiliary equipment connected.



To return to TV mode simply press one of the numbered buttons on the remote control. To view the auxiliary equipment once again, simply press the ⊙ button.

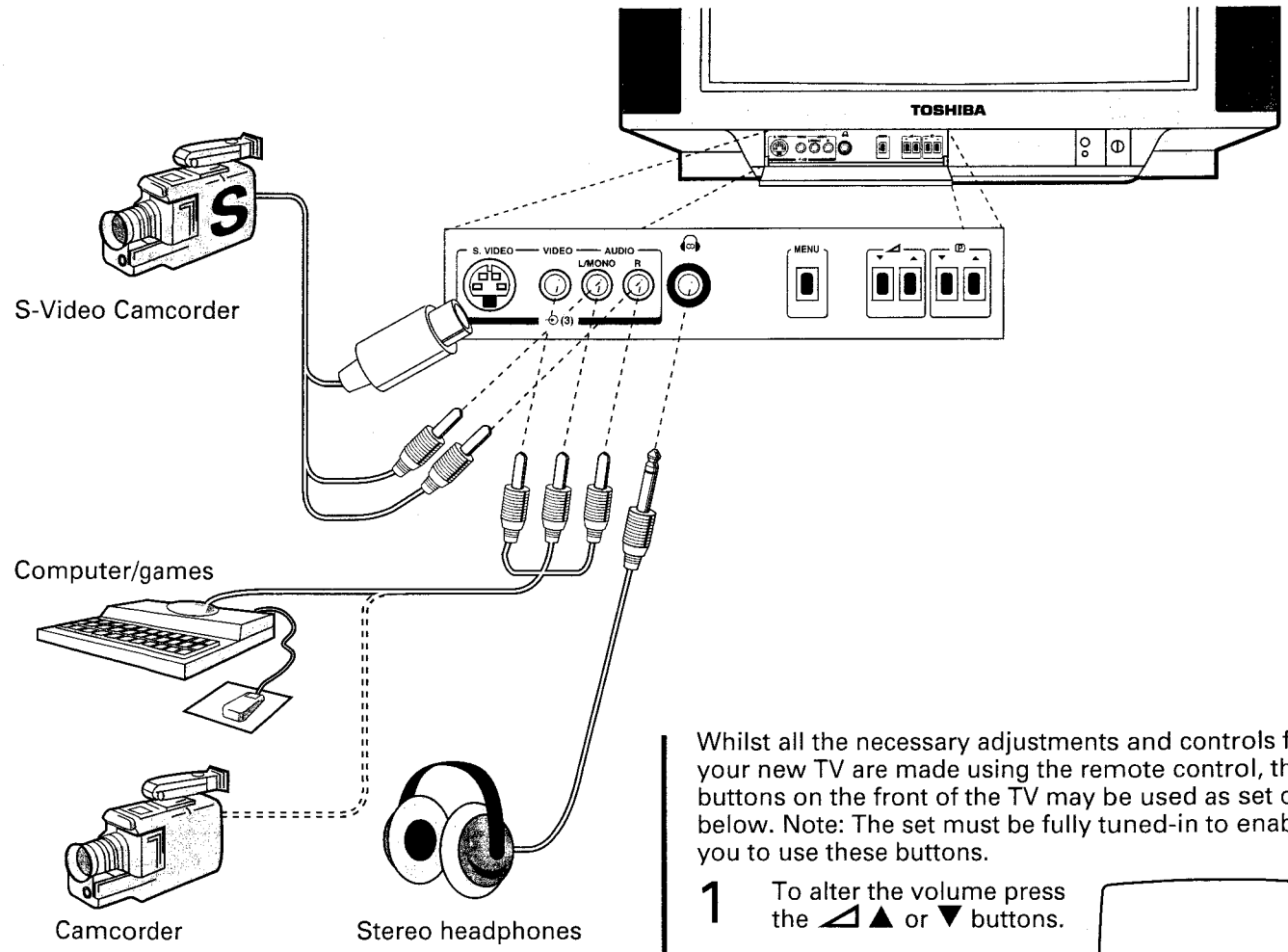
If the TV does not switch over automatically, press the ⊙ button to select between input 1 (Scart 1), input 2/2s (Scart 2) or input 3. Press the ⊙ button to return to TV mode.

One Shot Memory

1 When you connect a Satellite Receiver and/or Video Recorder via a scart lead, you may discover that the TV automatically switches over to give priority to auxiliary equipment. To reset the TV simply press the desired programme position button. To recall the auxiliary equipment, press the ⊙ button.

TV Front Connections

For your convenience you can now make connection of camcorders, computer games etc. much more easily. These are accessible through the sockets located behind the flap on the front of the TV set. To open, simply press the centre of the panel. Do not connect equipment to both the front and rear AV ⇥3 input terminals at the same time.



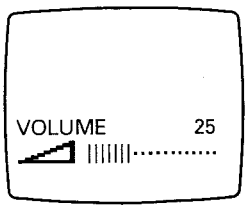
The insertion of the headphone jack-plug will mute all sound from the speakers.

By pressing the volume ◿ ▲ or ▼ buttons you can increase (or decrease) the sound level.

Note: Do not connect equipment to both the front input sockets at the same time (S/Video and Video).

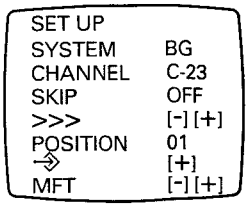
Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used as set out below. Note: The set must be fully tuned-in to enable you to use these buttons.

1 To alter the volume press the ◿ ▲ or ▼ buttons.



2 To alter the programme position press the Ⓟ ▲ or ▼ buttons.

1 Pressing the MENU button repeatedly, will enable you to select between the PICTURE, SOUND, FUNCTION, and SET UP menus.



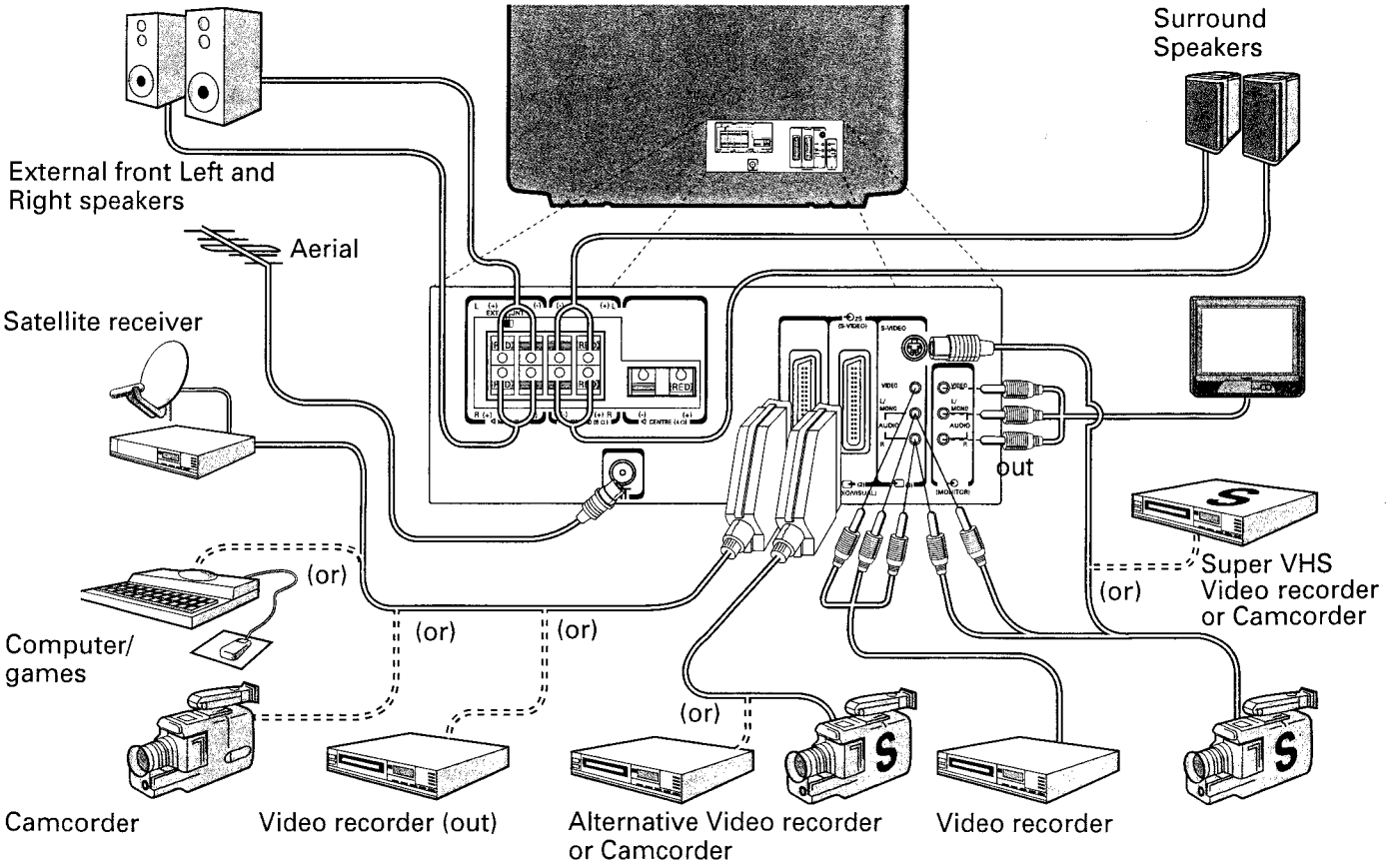
Press the Ⓟ ▲ or ▼ button to select the required item and press the ◿ ▲ or ▼ buttons to adjust.

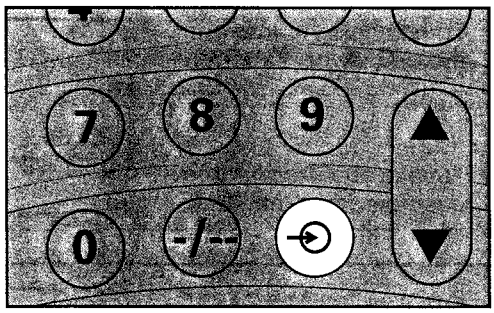
Allow displays to disappear

TV Back Connections

The diagram below illustrates some of the possible connections for auxiliary equipment. Having connected your video recorder, satellite receiver etc. as shown in the diagram below you may need to set up the TV accordingly, using the external source selection button ⊙. If your TV automatically switches over to monitor the auxiliary equipment you can reset it simply by pressing the desired programme position button. To recall the auxiliary equipment, press the ⊙ button.

Note: A wider front Stereo effect may be obtained by connecting extension front speakers

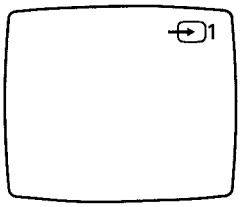




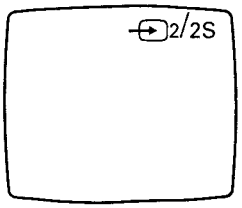
When connecting external Hi-fi speakers of your choice, they must be 8 ohm, 10W minimum.
Please Note:

1. You must set the switch to EXT and observe the correct polarity.
2. When connecting external speakers always make sure that the power switch is turned off.
3. Never 'short ' the speaker cables.

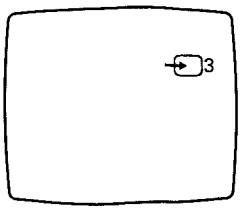
1 Press the ⊙ button to bring up the adjacent display. This will set your TV to a video connected through Scart 1.



2 Press the ⊙ button again to select a second video recorder, laser disc player, Camcorder, computer/games or satellite receiver through Scart 2.



3 Press the ⊙ button again to select a Camcorder connected either to the front of the TV or to the Super VHS connector at the rear of the TV (input 3).



For your guidance

If your TV fails to operate correctly, we recommend that the following simple checks are carried out before contacting your local Toshiba dealer.

Simple problem solving:

No Picture or Sound.
Check mains switches are on, press ⏻. Plug into a known working mains socket.
'Timer off' facility has operated.

Poor or no Picture.
Try a different TV station, check your aerial and connections. Adjust fine tuning.

Good picture but no sound.
Press ◿ +.
Check that the External Main speaker switch is in the INT position.

Blue Screen.
The set senses a 'no signal' condition, check the aerial connection, switch to a different programme position or confirm that there is no transmitted signal using another TV or check with a neighbour.

Remote Control does not work.
Check the batteries.

If you have problems with text.
Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

No Dolby Surround
If you are unable to obtain surround sound effects from the rear speakers whilst playing a Dolby Surround video tape, check that the video recorder is a stereo unit and that the direct left and right audio signals are input to the TV by means of either the 21-pin sockets or the phono "Video 3" sockets.

Coloured patches on screen.
Caused by magnetic field interference, turn off TV for 10 minutes, turn on again, fault of temporary nature.

VTR or Satellite picture in Black and White.
Ensure the correct input socket is being used and that the socket is not switched to S-Video.

Safety tips:

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT. PLEASE READ THE FOLLOWING POINTS CAREFULLY. THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS. SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED.
This equipment has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.
DO ensure that all electrical connections, including the mains plug, extension leads and inter connections, between pieces of equipment, are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the mains plug when making or changing connections.
DO leave 10cm clearance around the top, sides and back of the television for adequate ventilation and sound response.
DO be careful with glass panels or doors on equipment.
DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.
DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T obstruct the ventilation of the equipment for example, with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.
DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided, according to the instructions.
DON'T allow electrical equipment to be exposed to rain or moisture.
ABOVE ALL - NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case - this could result in a fatal electric shock - NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

Cleaning the screen and cabinet. After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Specifications, Accessories

Specifications:

Receiving system	CCIR (L-SECAM) TV Broadcast standard UHF: 21-69 VHF: B-C, 1-6, B-Q, 71-86 CCIR (B/G-PAL) (B/G-SECAM) TV Broadcast standard UHF: 21-69 VHF: 2-4, 5-12, S1-S20, S21-S41 CCIR (I-PAL) TV Broadcast standard UHF: 21-69 CCIR (D/K-PAL) (D/K-SECAM) TV Broadcast standard UHF: 21-69 VHF: 1-12
Power consumption	2857DF 160watts, 3357DF 160watts
Programme Positions	100
Stereo	Nicam - I and Dolby Pro-logic surround sound
Video Input	PAL, PAL 60 Hz. (Video disk playback) NTSC 3.58/4.43 MHz./50Hz. NTSC (VCR playback)
Input/Output Input/Output Front input Rear input	Scart -1 (Full -21 pin) RGB, AV Scart-2 (21 pin)AV. S-video Input 3 (4 pin S-VHS RCA jack) Input 3 Normal/S-video, Audio (Note: Front and Rear Input 3 are common)
Sound output (at 10% distortion)	Main: 10 + 10W. rms Super Woofer: 13W. rms Centre Speaker: 10W. rms Surround: 5 + 5W. rms
External speaker Terminals	Main x 2, Centre x 1, Surround x 2 (for rear speakers)
Dimensions	2857DF: 760 mm (W), 569 mm (H), 480 mm (D) 3357DF: 900 mm (W), 681 mm (H), 528 mm (D)
Weight	2857DF: 35.2 Kg 3357DF: 51.0 Kg
Headphone Socket	3.5 mm Stereo

Accessories:

1 Remote control
2 (R6, AA) batteries
1 Stand including centre speaker